



BROAD AGENCY ANNOUNCEMENT (BAA)

INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued. This announcement will remain open until 27 MAY 2007 or until replaced by a successor BAA. This announcement replaces ONR BAA # 05-011. Proposals may be submitted any time during this period.

The Office of Naval Research (ONR) will not issue paper copies of this announcement. The ONR reserves the right to select for award, all some or none of the proposals in response to this announcement. The ONR reserves the right to fund all, some or none of the proposals received under this BAA. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

Awards under this BAA will consist of contracts. Therefore, proposals submitted as a result of this announcement will fall under the purview of the Federal Acquisition Regulations (FAR).

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research

Contract and Grant Awards Division

875 North Randolph Street

Arlington, VA 22203-1995

2. Research Opportunity Title –

Submarine Security & Technology Program

3. Program Name –

N/A

4. Research Opportunity Number –

BAA 06-018

5. Response Date –

This announcement will remain until 27 MAY 2007 or until replaced by a successor BAA. Proposals may be submitted any time during this period.

6. Research Opportunity Description -

The Office of Naval Research and the Submarine Security & Technology Branch (N875) of the Chief of Naval Operations' Submarine Warfare Division (N87) are interested in receiving white papers addressing research and exploratory development topics related to all aspects of submarine force security and survivability.

Areas of interest include: asymmetric threats, the physics of threat signal generation and detection; sensor technology and capabilities, signal and noise modeling; signal detection algorithms (signal processing); ingress/egress self-defense; and port security concepts. Topics with both near term (0-5 years) and far term (10-20 years) implications will be considered.

Program interests include passive and active acoustic and non-acoustic signal generation, scatter and detection. Relevant non-acoustic signal topics include: magnetic and electric fields, the scatter and generation of light (including ultraviolet and infrared portions of the band), the scatter and generation of rf signals over all bands, propulsion related issues and the detection of physical processes caused by hull motion through the ocean.

7. Point(s) of Contact -

Questions of a technical nature shall be directed to the Technical Point of Contact, as specified below:

Submarine Security & Technology Program Point of Contact:

Dr. Marshall Orr
Program Manager Code N875D
Deputy Chief of Naval Operations
2000 Navy Pentagon

Washington, DC 20350-2000
Tel: (202) 433-4563
Email: marshall.orr@navy.mil

Questions of a business nature shall be directed to the Contract Specialist, as specified below:

Sean Palmer
Contract Specialist (Support Contractor), Code 254
Office of Naval Research
875 North Randolph Street
Arlington, VA 22203-1995
Telephone: (703) 696-0690
Fax: (703) 696-0066
Email: sean_palmer@onr.navy.mil

8. Instrument Type(s) -

It is anticipated that awards will take the form of contracts.

9. Catalog of Federal Domestic Assistance (CFDA) Numbers – N/A

10. Catalog of Federal Domestic Assistance (CFDA) Titles – N/A

11. Other Information – N/A

II. AWARD INFORMATION

The Office of Naval Research (ONR) plans to make awards that represent the best value to the Government in accordance with the evaluation criteria. The ONR is seeking participants for this program that are capable of designing, developing, and demonstrating the capabilities required to achieve the goals described in this announcement. Offerors have the opportunity to be creative in the selection of the technical and management processes, either commercial or DoD practices, that best suit their approach.

- Total Amount of Funding the Program Office expects to Award through the Announcement

\$3 million for the duration of this BAA

- Anticipated Number of Awards

Four (4) to six (6)

- Anticipated Award Types

Awards will take the form of contracts. ONR will not issue grants, cooperative agreements, or other transaction agreements under this BAA.

• Previous Year(s) Average Individual Award Amounts:

\$3 million

III. ELIGIBILITY INFORMATION

Foreign entities are not eligible to submit white papers or proposals under this BAA. Contract awards may not be made in response to proposals that are related to the development of a specific system or hardware procurement (FAR 6.102(d)(2)). Awards to Government laboratories and to Federally Funded Research and Development Centers (FFRDCs) may not be made under this BAA. However, such laboratories and centers may enter into teaming arrangements with proposing prime contractors. All other potential Offerors are eligible.

IV. APPLICATION AND SUBMISSION INFORMATION

1. Application and Submission Process -

White Papers are encouraged prior to submitting a Full Proposal - The Navy's initial evaluation of the White Papers should give Offerors some indication of whether a Full Proposal would likely result in an award. Initial Navy evaluations of the White Papers will be issued via E-mail notification. Detailed technical and cost proposals will be subsequently encouraged from those Offerors whose proposed technologies have been identified through the above-referenced E-mail as being of "particular value" to the Navy. However, any such encouragement does not assure a subsequent award. Any Offeror may submit a Full Proposal even if its White Paper was not identified as being of "particular value."

2. Content and Format of White Papers/Full Proposals -

The proposals submitted under this BAA are expected to be unclassified. However, confidential/classified proposals are permitted. The proposal submissions will be protected from unauthorized disclosure in accordance with FAR 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information.

a. White Papers

White Paper Format

- Paper Size - 8.5 x 11 inch paper
- Margins - 1" inch

- Spacing - single or double-spaced
- Font - Times New Roman, 12 point
- Number of Pages - No more than 7 single-sided pages (excluding cover page and resumes). White Papers exceeding the page limit may not be evaluated.
- Copies - one (1) original, two (2) additional hard copies, and one electronic copy on a 3.5" Diskette or CD-ROM, (in Microsoft Word or Excel 97 compatible or PDF format).

White Paper Content

- Cover Page - The Cover Page shall be labeled "PROPOSAL WHITE PAPER," and shall include the BAA number, proposed title, Offeror's administrative and technical points of contact, with telephone numbers, facsimile numbers, and Internet addresses, and shall be signed by an authorized officer.
- One page summary of the technical ideas for the proposed research;
- One page summary of the deliverables associated with the proposed research;
- One page summary of the schedule and milestones for the proposed research, including rough estimates of cost for each year of the effort and total cost;
- One page listing of key personnel along with the approximate percentage of time to be expended by each person during each contract year;
- Two page concise summary of the qualifications of key personnel;
- Three page technical rationale and approach which contains arguments to substantiate claims made in the summary of technical ideas and is consistent with the summary of the deliverables and the summary of the schedule and milestones for the proposed research.

b. Full Proposals

Full Proposal Format - Volume 1 - Technical and Volume 2 - Cost Proposal

- Paper Size - 8.5 x 11 inch paper
- Margins - 1" inch
- Spacing - single or double-spaced
- Font - Times New Roman, 12 point
- Number of Pages - Volume 1 and Volume 2 are both unlimited as to the number of pages. Limitations within sections of the proposal are indicated in the individual descriptions shown below. Full Proposals exceeding the page limit may not be evaluated.
- Copies - one (1) original, two (2) additional hard copies and one electronic copy on a 3.5" Diskette or CD-ROM, (in Microsoft Word or Excel 97 compatible or PDF format).

Full Proposal Content

Volume 1: Technical Proposal

Each section of the Technical Proposal must start on a new page.

- **Cover Page:** This must include the words "Technical Proposal" and the following:
 - 1) BAA number; 2) Title of Proposal; 3) Identity of prime Offeror and complete list of subcontractors, if applicable; 4) Technical contact (name, address, phone/fax, electronic mail address) 5) Administrative/business contact (name, address, phone/fax, electronic mail address) and; 6) Duration of effort (differentiate basic effort and options)
- **Table of Contents:**
- **Statement of Work:** (5 pages) A Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, such proposals must include a severable unclassified self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. Include a detailed listing of the technical tasks/subtasks organized by year.
- **Project Schedule and Milestones:** (1 page) A summary of the schedule of events and milestones.
- **Assertion of Data Rights:** (1 page). Include here a summary of any proprietary rights to pre-existing results, prototypes, or systems supporting and/or necessary for the use of the research, results, and/or prototype. Any rights made in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights, the Offeror must explain how these affect its ability to deliver subsystems and toolkits for integration. Additionally, Offerors must explain how the program goals are achievable in light of these proprietary and/or restrictive limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect.
- **Deliverables:** A detailed description of the results and products to be delivered.
- **Qualifications:** (5 pages) A discussion of previous accomplishments and work in this, or closely related, areas, and the qualifications of the investigators. Key personnel resumes shall be attached to the proposal and will not count toward the page limitations.
- **Management Approach:** (5 pages) A discussion of the overall approach to the management of this effort, including brief discussions of the total organization, use of personnel, project/function/subcontractor relationships, government research interfaces, and planning, scheduling and control practice. Identify which personnel and subcontractors (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration.

VOLUME 2: Cost Proposal

The Cost Proposal shall consist of a cover page and two parts. Part 1 will provide a detailed cost breakdown of all costs by cost category by calendar/fiscal year and Part 2 will provide a cost breakdown by task/sub task using the same task numbers in the Statement of Work. Options must be separately priced.

Cover Page: The use of the SF 1411 is optional. The words "Cost Proposal" should appear on the cover page in addition to the following information:

- BAA number;
- Title of Proposal;
- Identity of prime Offeror and complete list of subcontractors, if applicable;
- Technical contact (name, address, phone/fax, electronic mail address)
- Administrative/business contact (name, address, phone/fax, electronic mail address);
- Duration of effort (differentiate basic effort and options);
- Summary statement of proposed costs and;
- Cognizant DCAA and DCMA points of contact, address, phone/fax, electronic mail address (if readily available).

Part 1: Detailed breakdown of all costs by cost category by calendar/fiscal year (when options are contemplated, options must be separately identified and priced by task/sub-task corresponding to the same task numbers in the Statement of Work):

- Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
- Indirect Costs - Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate)
- Proposed contractor acquired equipment such as computer hardware for proposed research projects should be specifically itemized with costs or estimated costs. An explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;
- Travel - Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
- Subcontract - A cost proposal as detailed as the Offeror's cost proposal will be required to be submitted by the subcontractor. The subcontractor's cost proposal can be provided in a sealed envelope with the Offeror's cost proposal or will be requested from the subcontractor at a later date;
- Consultant - Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;
- Materials should be specifically itemized with costs or estimated costs. An

explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;

- Other Directs Costs and;
- Fee/Profit including fee percentage.

Part 2: Cost breakdown by task/sub task using the same task numbers in the Statement of Work. When options are contemplated, options must be separately identified and priced by task/sub-task corresponding to the same task numbers in the Statement of Work.

3. Significant Dates and Times -

This announcement will remain until 27 MAY 2007 or until replaced by a successor BAA. Proposals may be submitted any time during this period.

4. Submission of Late Proposals –

N/A

5. Address for the Submission of White Papers and Full Proposals –

Deputy Chief of Naval Operations
ATTN: Submarine Security & Technology Branch
SSBN Security Program Manager N875D
2000 Navy Pentagon
Washington, DC 20350-2000
Telephone Number: (202) 433-4563

V. EVALUATION INFORMATION

1. Evaluation Criteria –

White papers and full proposals will be evaluated using the following criteria, which are listed in descending order of importance:

- Overall scientific and technical merits of the proposal to contribute to the Submarine Security Program;
- The offeror's capabilities, related experience, facilities, techniques or unique combinations of these which are integral factors for achieving the proposal objectives;
- The qualifications, capabilities, and experience of the proposed Principal Investigator, team leader, or key personnel who are critical in achieving the proposal objectives and;
- Realism of the proposed budgetary costs and availability of funds.

For proposed awards to be made as contracts to large businesses, the socio-economic merits of each proposal will be evaluated based on the extent of the Offeror's commitment in providing meaningful subcontracting opportunities for small businesses, HUB Zone small businesses, small disadvantaged businesses, woman-owned small businesses, veteran-owned small businesses, service disabled veteran-owned small businesses, historically black colleges and universities, and minority institutions. Industry-Academia Partnering - ONR highly encourages partnering among industry and academia with a view toward speeding the incorporation of new science and technology into fielded systems. Proposals that utilize industry-academic partnering which enhances the development of novel S&T advances will be given favorable consideration.

2. Evaluation Panel –

Technical and cost proposals submitted under this BAA will be protected from unauthorized disclosure in accordance with FAR 3.104-5 and 15.207. The cognizant program officer and other Government scientific experts will perform the evaluation of technical proposals. Government business professionals will evaluate cost proposals. Restrictive notices notwithstanding, one or more support contractors may be utilized as subject-matter-expert technical consultants. Similarly, support contractors may be utilized to evaluate cost proposals. However, proposal selection and award decisions are solely the responsibility of Government personnel. Each support contractor's employee having access to technical and cost proposals submitted in response to this BAA will be required to sign a non-disclosure statement prior to receipt of any proposal submissions.

VI. AWARD ADMINISTRATION INFORMATION

1. Administrative Requirements –

- The North American Industry Classification System (NAICS) code - The North American Industry Classification System (NAICS) code for this announcement is 541710 with a small business size standard of 500 employees.
- CCR - Successful Offerors not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to award of any grant, contract, cooperative agreement, or other transaction agreement. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>.
- Certifications - Proposals should be accompanied by completing two separate certification packages: one certification package for Federal Acquisition Regulation (FAR) clauses in accordance with FAR 4.1201, and one certification package for Defense Federal Acquisition Regulation Supplement (DFARS) clauses. FAR certification packages should be completed online with ORCA at <https://orca.bpn.gov/login.aspx>. Supplemental DFARS and contract specific certification packages should be completed via the ONR website at http://www.onr.navy.mil/02/rep_cert.asp.
- For contract proposals, the certification package is entitled, "Representations and Certifications for Contracts."

- Subcontracting Plans - Successful contract proposals that exceed \$500,000, submitted by all but small business concerns, must be supported by a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award.
- Models - Model contract documents may be found on the ONR website at http://www.onr.navy.mil/02/model_awards.asp.

2. Reporting -

The following is a sample of deliverables that could be required under a typical research effort:

- Technical and Financial Progress Reports
- Presentation Material
- Other Documents or Reports
- Final Report

However, please note that specific deliverables (that may include software and hardware deliverables) may be proposed by each offeror and finalized during negotiations.

VII. OTHER INFORMATION

1. Government Property/Government Furnished Equipment (GFE) and Facilities

Each proposer must provide a very specific description of any equipment/hardware that it needs to acquire to perform the work. This description should indicate whether or not each particular piece of equipment/hardware will be included as part of a deliverable item under the resulting award. Also, this description should identify the component, nomenclature, and configuration of the equipment/hardware that it proposes to purchase for this effort. It is the Government's desire to have the contractors purchase the equipment/hardware for deliverable items under their contract. The purchase on a direct reimbursement basis of special test equipment or other equipment that is not included in a deliverable item will be evaluated for allowability on a case-by-case basis. Maximum use of Government integration, test, and experiment facilities is encouraged in each of the Offeror's proposals.

Government research facilities and operational military units are available and should be considered as potential government furnished equipment/facilities. These facilities and resources are of high value and some are in constant demand by multiple programs. It is unlikely that all facilities would be used for the National Naval Responsibility in Naval Engineering program. The use of these facilities and resources will be negotiated as the program unfolds. Offerors should explain which of these facilities they recommend.

2. Department of Defense High Performance Computing Program

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S & T

and DT & E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer approval is obtained and if security/screening requirements are favorably completed. Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.